

Application Number 10/615,336
Amendment dated 13 May 2005
Reply to Office Action of 16 February 2005

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1-9 (canceled).

Claim 10 (currently amended): A ~~liner for receiving a limb of an amputee~~ comprising:

- an inner layer and an outer layer;
- the inner layer comprising at least one channel;
- at least one sensor provided in the at least one channel used to monitor physiological characteristics of the limb; and
- the outer layer configured to cover the inner layer;

wherein the liner is adapted to receive a limb of an amputee within the liner.

Claim 11 (original): The liner of claim 10 wherein the channel is a pocket.

Claim 12 (original): The liner of claim 10 wherein the sensor is an oxygen sensor.

Claim 13 (original): The liner of claim 10 wherein the sensor is a pressure sensor.

Claim 14 (original): The liner of claim 10 wherein the sensor is a strip.

Claim 15 (original): The liner of claim 14, wherein the sensor wraps around a bottom of the inner layer.

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Claims 16–17 (canceled).

Claim 18 (previously presented): The socket liner of claim 24, wherein the sensor wraps around a bottom of the inner layer.

Claims 19–20 (canceled).

Claim 21 (currently amended): A socket liner for receiving a limb of an amputee, comprising:

- a liner adapted to receive a limb of an amputee within the liner; and
- an oxygen sensor provided in the liner, wherein the oxygen sensor is adapted to monitor data received therein.

Claim 22 (currently amended): A socket liner for receiving a limb of an amputee, comprising:

- a liner adapted to receive a limb of an amputee within the liner; and
- a plurality of sensors provided in the liner, wherein the plurality of sensors are adapted to monitor data received therein, and wherein the plurality of sensors include a pressure sensor and an oxygen sensor.

Claim 23 (currently amended): A socket liner for receiving a limb of an amputee, comprising:

- a liner adapted to receive a limb of an amputee within the liner; and
- a sensor provided in the liner, wherein the sensor is adapted to monitor data received therein, and wherein the sensor is wrapped around a bottom of an inner layer of the liner.

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Claim 24 (previously presented): A socket liner for receiving a limb of an amputee comprising:

- a liner having an inner and an outer layer, wherein the inner layer is configured to hold a physiological sensor, and the outer layer serves to provide an interface between the inner layer and a socket;

- a physiological sensor configured to receive data from a limb regarding its physiological characteristics;

- the sensor being in communication with a transmitter;

- the transmitter configured to send data to a receiver to allow an end user to analyze the physiological characteristics of the limb.